

#### ABSTRACT OF THE DISCLOSURE

An access point device and its authentication method are provided which can dramatically improve a wireless LAN system in security level. The access point device includes:

- 5 authentication request display means for notifying a network administrator administering the LAN of the presence of an authentication-requesting mobile station so as to gain the final authorization of an authentication procedure when a mobile station in the area perform the authentication
- 10 procedure before the initiation of an association procedure; and authentication input means from which the network administrator notified inputs an authentication-authorizing or -rejecting instruction with respect to the authentication-requesting mobile station.